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PHOTOGRAPHIC INTERPRETATION REPORT



PAI-YIN EXPLOSIVES PLANT 805  
YAI-CHU-SHUI, CHINA

[Redacted]

25X1

JULY 1967

COPY 118

7 PAGES

Declass Review by NIMA / DoD

[Redacted]

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GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
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## PAI-YIN EXPLOSIVES PLANT 805

### YAI-CHU-SHUI, CHINA

#### INTRODUCTION

The Pai-yin Explosives Plant 805 [redacted] 36-31N 104-12E), also known as the Pai-yin-chang Explosives Plant and the Pai-yin 805 Munitions Factory, is approximately 34 nautical miles (nm) northeast of Lan-chou and about 2 nm southeast of the town of Yai-chu-shui, China (Figure 1). A large copper refinery is located immediately north of the explosives plant, but there does not appear to be a functional relationship between the copper production facilities and the explosives plant.

#### CHRONOLOGY

The plant was first observed on [redacted] photography [redacted] it was in the midstage of construction at that time. Most of the plant facilities were outwardly complete by [redacted] Four explosives storage structures, 5 fairly large support buildings, and 2 explosives processing facilities were built [redacted] there has been no photographic coverage of adequate scale and quality to permit further analysis of the plant (Figure 2). Eight small probable ex-

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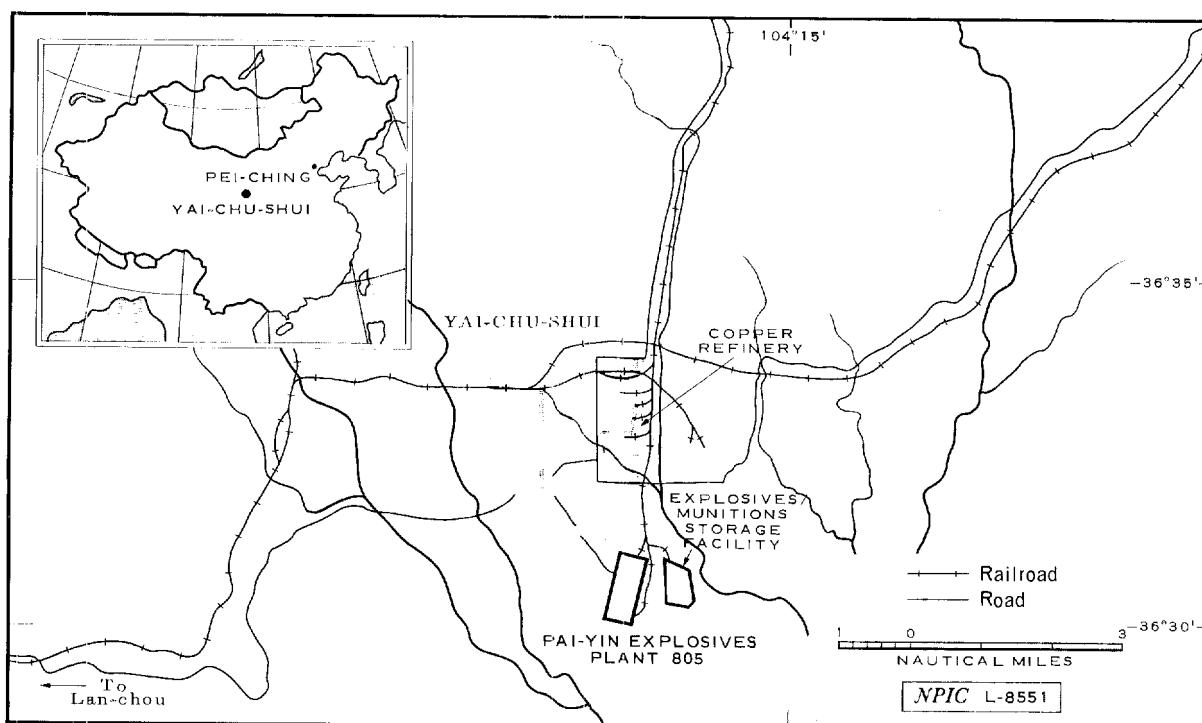


FIGURE 1. LOCATION MAP.

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explosives processing buildings and one unidentified large structure were built [REDACTED]

### DESCRIPTION

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The plant was probably not operational [REDACTED]. It may have had a limited production capability [REDACTED]

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but this is uncertain because there was considerable minor construction (mainly steamlines and other distribution systems) that was incomplete at that time. The [REDACTED]

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25X1D

photography indicates that both of the probable irrigation facilities (items 6-8 and 9-11, Figure 3) were active, which in turn suggests that the plant was fully operational. No significant construction activity was evident on the [REDACTED]

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[REDACTED] photography (Figure 4). The copper refinery immediately north of the explosives plant was operational [REDACTED]

Dimensions, roof coverage, and tentative interpretations of functions of selected buildings at the plant are presented in Table 1. On the basis of currently available photographic data, the Hai-yin Explosives Plant 805 is probably engaged in the manufacture of single-base propellants, and it may also incorporate a munitions loading function. However, the production of an unidentified type of industrial explosive cannot be completely ruled out.

A separately secured explosives/munitions storage facility immediately east of the plant area contains 14 reverted, rail-served buildings (Figure 3). Dimensions, roof coverage, and functions of the buildings are presented in Table 1. A possible ventilator or other device is housed in a circular hole in the reveurement along the side of each building.



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FIGURE 2. PAI-YIN EXPLOSIVES PLANT 805, YAI-CHU-SHUI, CHINA.

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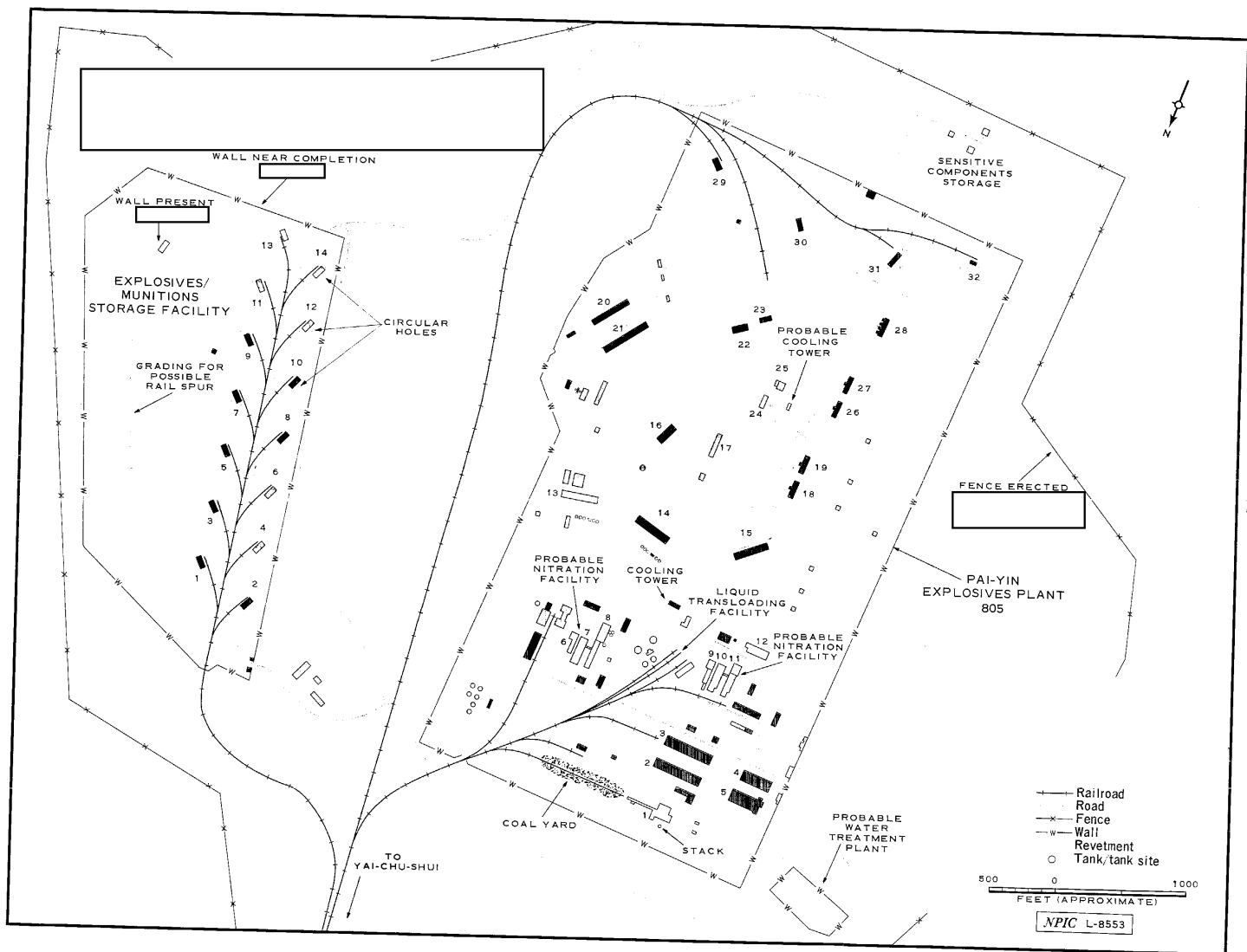


FIGURE 3. LAYOUT OF PLANT.

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FIGURE 4. PAI-YIN EXPLOSIVES PLANT 805, YAI-CHU-SHUI, CHINA

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REFERENCES

PHOTOGRAPHY



MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0383-22

REQUIREMENT

NSA. NSA/SOC/R268-66

NPIC PROJECT

11210/67

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